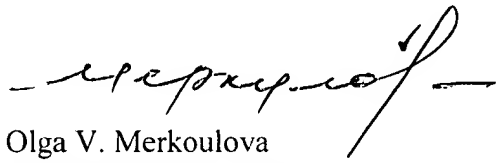
claims as amended are patentably distinct from the prior art of record and are in condition for allowance. The Examiner is respectfully requested to pass the above application to issue. The Examiner is invited to contact the undersigned at the telephone number listed below, if needed. Applicant hereby makes a written conditional petition for extension of time, if required. Please charge any deficiencies in fees and credit any overpayment of fees to Attorney's Deposit Account No. 50-2041(Whitham, Curtis and Christofferson. PC.).

Respectfully submitted,



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Clean Copy of Claims

The following is a clean copy of amended claims 2-3 and 12-13.

2. An ink jet recording device comprising:

a head formed with a plurality of nozzles;

a converting unit that converts recording data into driving data, the driving data including data sets defining driving pulses for corresponding ones of the plurality of nozzles;

a feed unit that feeds a recording medium in a first direction;

an ejection element provided to each one of the plurality of nozzles for ejecting an ink droplet from the corresponding nozzle onto the recording medium in response to the driving data while the feed unit is feeding the recording medium in the first direction;

a memory that stores nozzle profile data including waveform data and timing data for each of the plurality of nozzles, the waveform data and the timing data indicating a waveform and a generating timing, respectively, of the driving pulse for each one of the plurality of nozzles, wherein the converting unit converts the recording data into the driving data based on the nozzle profile data, and each of the driving pulses is defined by a plurality of data sets of the driving data; and

an updating unit that updates the waveform data for each of the plurality of nozzles when a printing condition has been changed.

3. An ink jet recording device comprising:

a head formed with a plurality of nozzles;

a converting unit that converts recording data into driving data, the driving data including data sets defining driving pulses for corresponding ones of the plurality of nozzles;

a feed unit that feeds a recording medium in a first direction;

an ejection element provided to each one of the plurality of nozzles for ejecting an ink droplet from the corresponding nozzle onto the recording medium in response to the driving data

while the feed unit is feeding the recording medium in the first direction;

a memory that stores nozzle profile data including waveform data and timing data for each of the plurality of nozzles, the waveform data and the timing data indicating a waveform and a generating timing, respectively, of the driving pulse for each one of the plurality of nozzles, wherein the converting unit converts the recording data into the driving data based on the nozzle profile data, and each of the driving pulses is defined by a plurality of data sets of the driving data;

a designating unit that designates a target ink amount of the ink droplet and a target impact position on the recording medium on which the ink droplet impacts;

a measuring unit that measures a distance between the target impact position and an actual impact position on the recording medium where the ink droplet has impacted with respect to the first direction; and

an updating unit that updates the nozzle profile data based on the target impact position and the distance measured by the measuring unit.

12. An ink jet recording device comprising:

a head formed with a plurality of nozzles;

a converting unit that converts recording data into driving data, the driving data including data sets defining driving pulses for corresponding ones of the plurality of nozzles;

a feed unit that feeds a recording medium in a first direction;

an ejection element provided to each one of the plurality of nozzles for ejecting an ink droplet from the corresponding nozzle onto the recording medium in response to the driving data while the feed unit is feeding the recording medium in the first direction;

a memory that stores nozzle profile data including waveform data and timing data for each of the plurality of nozzles, the waveform data and the timing data indicating a waveform and a generating timing, respectively, of the driving pulse for each one of the plurality of nozzles, wherein the converting unit converts the recording data into the driving data based on the nozzle profile data, and each of the driving pulses is defined by a plurality of data sets of the driving

data; and

a leveling unit that levels generating timings of the driving pulses by changing the timing data of the nozzle profile data.

13. An ink jet recording device comprising:

a head formed with a plurality of nozzles;

a converting unit that converts recording data into driving data, the driving data including data sets defining driving pulses for corresponding ones of the plurality of nozzles;

a feed unit that feeds a recording medium in a first direction;

an ejection element provided to each one of the plurality of nozzles for ejecting an ink droplet from the corresponding nozzle onto the recording medium in response to the driving data while the feed unit is feeding the recording medium in the first direction;

a memory that stores nozzle profile data including waveform data and timing data for each of the plurality of nozzles, the waveform data and the timing data indicating a waveform and a generating timing, respectively, of the driving pulse for each one of the plurality of nozzles, wherein the converting unit converts the recording data into the driving data based on the nozzle profile data, and each of the driving pulses is defined by a plurality of data sets of the driving data; and

a resolution changing unit that changes a time resolution, wherein each one of the plurality of data sets of driving data having an original time resolution, and the resolution setting unit that sets the original time resolution of each of the data sets to a predetermined time resolution.